

PATENT
Docket No. CA920030120US1

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

APPLICANT(S): SAM S. LIGHTSTONE
SERIAL No.: 10/788,583
FILING DATE: FEBRUARY 27, 2004
TITLE: METHOD, SYSTEM, AND PROGRAM FOR OPTIMIZING COMPRESSION OF A
WORKLOAD PROCESSED BY A DATABASE MANAGEMENT SYSTEM
EXAMINER: ETIENNE PIERRE LEROUX
GROUP ART UNIT: 2161
ATTY. DKT. No.: CA920030120US1

MAIL STOP ISSUE FEE
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

**TRANSMITTAL OF THE
PAYMENT OF ISSUE FEE**

Sir:

The enclosed Payment of the Issue Fee Due is submitted herewith pursuant to 37 C.F.R. § 1.67 and M.P.E.P. § 603.01 for filing in the matter of the United States patent application as hereinabove identified. A duplicate copy of this sheet is enclosed.

Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Commissioner of Patents
June 26, 2007
Page 2

Respectfully Submitted,
David J. McKenzie

A handwritten signature in cursive script, reading "David J. McKenzie", written over a horizontal line.

David J. McKenzie
Reg. No. 46,919
Attorney for Applicant

Date: June 26, 2007

Kunzler & Associates
8 East Broadway, Suite 600
Salt Lake City, Utah 84111
Telephone: 801/994-4646



CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to:
Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450

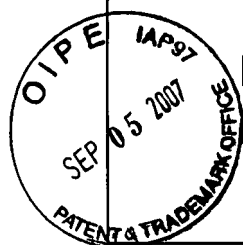
Respectfully submitted,

Transmitted: Transmittal of Payment of Issue Fee.

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (12/97)
Approved for use through 9/30/05. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



FEE TRANSMITTAL

Note: Effective December 8, 2004.
Patent fees are subject to annual revision.

		Complete if Known	
Application Number		10/788,583	
Filing Date		February 27, 2004	
First Named Inventor		Sam S. Lightstone	
Group Art Unit		2161	
Examiner Name		Etienne Pierre Leroux	
TOTAL AMOUNT OF PAYMENT		\$ 1703	
Attorney Docket Number		CA920030120US1	

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: <u>09-0460</u> Deposit Account Name: <u>IBM CORPORATION</u> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance <input type="checkbox"/> 2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>120</td><td>2251</td><td>60</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>450</td><td>2252</td><td>225</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>1020</td><td>2253</td><td>510</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1530</td><td>2254</td><td>765</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2160</td><td>2255</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>500</td><td>2401</td><td>250</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>500</td><td>2402</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>1000</td><td>2403</td><td>500</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive -unavoidably</td><td></td></tr> <tr><td>1453</td><td>1370</td><td>2453</td><td>685</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1400</td><td>2501</td><td>700</td><td>Utility issue fee</td><td>1400</td></tr> <tr><td>1502</td><td>800</td><td>2502</td><td>400</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>1100</td><td>2503</td><td>550</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for continued examination (RCE) (37 CFR 1.114)</td><td></td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="5">Other fee (specify) __ Fee Code: 8001 Fee: 3.00 each Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.</td><td>3</td></tr> <tr><td colspan="5">Other fee (specify) __ Publication Fee</td><td>300</td></tr> <tr> <td colspan="4">SUBTOTAL (3)</td> <td colspan="2">\$ 1703</td> </tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2520	1812	2520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action		1251	120	2251	60	Extension for reply within first month		1252	450	2252	225	Extension for reply within second month		1253	1020	2253	510	Extension for reply within third month		1254	1530	2254	765	Extension for reply within fourth month		1255	2160	2255	1080	Extension for reply within fifth month		1401	500	2401	250	Notice of Appeal		1402	500	2402	250	Filing a brief in support of an appeal		1403	1000	2403	500	Request for oral hearing		1451	1510	1451	1510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive -unavoidably		1453	1370	2453	685	Petition to revive - unintentional		1501	1400	2501	700	Utility issue fee	1400	1502	800	2502	400	Design issue fee		1503	1100	2503	550	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1801	790	2801	395	Request for continued examination (RCE) (37 CFR 1.114)		1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))		1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) __ Fee Code: 8001 Fee: 3.00 each Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.					3	Other fee (specify) __ Publication Fee					300	SUBTOTAL (3)				\$ 1703	
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																								
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																									
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																									
1053	130	1053	130	Non-English specification																																																																																																																																																																																									
1812	2520	1812	2520	For filing a request for reexamination																																																																																																																																																																																									
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																									
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																									
1251	120	2251	60	Extension for reply within first month																																																																																																																																																																																									
1252	450	2252	225	Extension for reply within second month																																																																																																																																																																																									
1253	1020	2253	510	Extension for reply within third month																																																																																																																																																																																									
1254	1530	2254	765	Extension for reply within fourth month																																																																																																																																																																																									
1255	2160	2255	1080	Extension for reply within fifth month																																																																																																																																																																																									
1401	500	2401	250	Notice of Appeal																																																																																																																																																																																									
1402	500	2402	250	Filing a brief in support of an appeal																																																																																																																																																																																									
1403	1000	2403	500	Request for oral hearing																																																																																																																																																																																									
1451	1510	1451	1510	Petition to institute a public use proceeding																																																																																																																																																																																									
1452	110	2452	55	Petition to revive -unavoidably																																																																																																																																																																																									
1453	1370	2453	685	Petition to revive - unintentional																																																																																																																																																																																									
1501	1400	2501	700	Utility issue fee	1400																																																																																																																																																																																								
1502	800	2502	400	Design issue fee																																																																																																																																																																																									
1503	1100	2503	550	Plant issue fee																																																																																																																																																																																									
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																									
1807	50	1807	50	Petitions related to provisional applications																																																																																																																																																																																									
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																									
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																									
1801	790	2801	395	Request for continued examination (RCE) (37 CFR 1.114)																																																																																																																																																																																									
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																									
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																									
Other fee (specify) __ Fee Code: 8001 Fee: 3.00 each Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.					3																																																																																																																																																																																								
Other fee (specify) __ Publication Fee					300																																																																																																																																																																																								
SUBTOTAL (3)				\$ 1703																																																																																																																																																																																									
1. FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1011</td><td>300</td><td>2011</td><td>150</td><td>Utility filing fee</td><td></td></tr> <tr><td>1111</td><td>500</td><td>2111</td><td>250</td><td>Utility search fee</td><td></td></tr> <tr><td>1311</td><td>200</td><td>2311</td><td>100</td><td>Utility examination fee</td><td></td></tr> <tr><td>1084</td><td>250</td><td>2004</td><td>125</td><td>Utility size fee for each additional 50 over 100</td><td></td></tr> <tr><td>1005</td><td>200</td><td>2005</td><td>100</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5">SUBTOTAL (1)</td><td>\$ 0</td></tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1011	300	2011	150	Utility filing fee		1111	500	2111	250	Utility search fee		1311	200	2311	100	Utility examination fee		1084	250	2004	125	Utility size fee for each additional 50 over 100		1005	200	2005	100	Provisional filing fee		SUBTOTAL (1)					\$ 0	2. CLAIMS <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>-20 =</td> <td>0</td> <td>x 50 =</td> <td></td> </tr> <tr> <td>Ind. Claims -3 =</td> <td>0</td> <td>x 100 =</td> <td></td> </tr> <tr> <td>Multiple Dep. Claims</td> <td>0</td> <td>x 380 =</td> <td>0</td> </tr> </tbody> </table>		Total Claims	Extra	Fee from below	Fee Paid	-20 =	0	x 50 =		Ind. Claims -3 =	0	x 100 =		Multiple Dep. Claims	0	x 380 =	0																																																																																																																																
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																								
1011	300	2011	150	Utility filing fee																																																																																																																																																																																									
1111	500	2111	250	Utility search fee																																																																																																																																																																																									
1311	200	2311	100	Utility examination fee																																																																																																																																																																																									
1084	250	2004	125	Utility size fee for each additional 50 over 100																																																																																																																																																																																									
1005	200	2005	100	Provisional filing fee																																																																																																																																																																																									
SUBTOTAL (1)					\$ 0																																																																																																																																																																																								
Total Claims	Extra	Fee from below	Fee Paid																																																																																																																																																																																										
-20 =	0	x 50 =																																																																																																																																																																																											
Ind. Claims -3 =	0	x 100 =																																																																																																																																																																																											
Multiple Dep. Claims	0	x 380 =	0																																																																																																																																																																																										
<table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>50</td><td>2202</td><td>25</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>200</td><td>2201</td><td>100</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>380</td><td>2203</td><td>180</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>1204</td><td>200</td><td>2204</td><td>100</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>50</td><td>2205</td><td>25</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5">SUBTOTAL (2)</td><td>0</td></tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1202	50	2202	25	Claims in excess of 20		1201	200	2201	100	Independent claims in excess of 3		1203	380	2203	180	Multiple dependent claim		1204	200	2204	100	Reissue independent claims over original patent		1205	50	2205	25	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					0	*Reduced by Basic Filing Fee																																																																																																																																																	
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																								
1202	50	2202	25	Claims in excess of 20																																																																																																																																																																																									
1201	200	2201	100	Independent claims in excess of 3																																																																																																																																																																																									
1203	380	2203	180	Multiple dependent claim																																																																																																																																																																																									
1204	200	2204	100	Reissue independent claims over original patent																																																																																																																																																																																									
1205	50	2205	25	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
SUBTOTAL (2)					0																																																																																																																																																																																								

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name		David J. McKenzie		Reg. Number 46,919	
Signature		Date Jun 26, 2007		Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

45112 7590 06/06/2007

Kunzler & McKenzie
 8 EAST BROADWAY
 SUITE 600
 SALT LAKE CITY, UT 84111



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/788,583	02/27/2004	Sam S. Lightstone	CA920030120US1	6838

TITLE OF INVENTION: METHOD, SYSTEM AND PROGRAM FOR OPTIMIZING COMPRESSION OF A WORKLOAD PROCESSED BY A DATABASE MANAGEMENT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	09/06/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEROUX, ETIENNE PIERRE	2161	707-004000

09/06/2007 AWONDAF2 00000079 090460 10788583

01 FC:1501
 02 FC:1504

1400.00 DA
 300.00 DA

3.00 DA

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☒ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev. 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Kunzler & McKenzie
 2
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

International Business
 Machines Corporation

Armonk, NY

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 1

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 090460 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature David J. McKenzie
 Typed or printed name David J. McKenzie

Date 6/29/07
 Registration No. 46,919

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.